Title: ULTRA-WIDEBAND CORRELATING RECEIVER Filed: 11/21/03 Exp. Mail No. EV292299646US Inventor: KRIVOKAPIC Docket No.: 30287-112

Contact: Peter R. Martinez; 858-720-6300 FIGS. 1 & 2 Sheet 1 of 15

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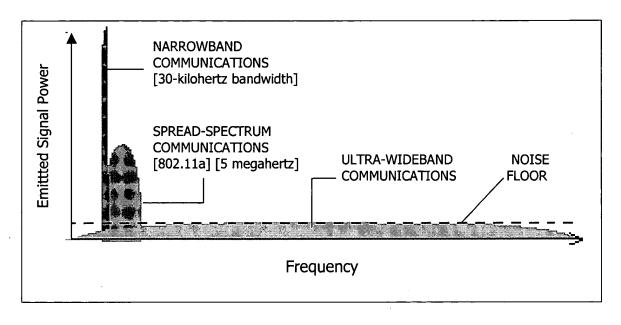


FIG. 1

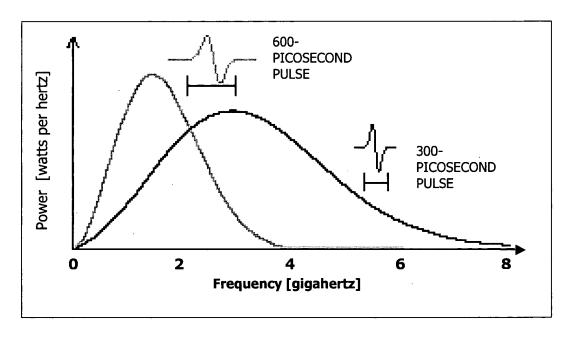


FIG. 2

Title: ULTRA-WIDEBAND CORRELATING RECEIVER Filed: 11/21/03 Exp. Mail No. EV292299646US Inventor: KRIVOKAPIC Docket No.: 30287-112 Contact: Peter R. Martinez; 858-720-6300 FIG. 3 Sheet 2 of 15

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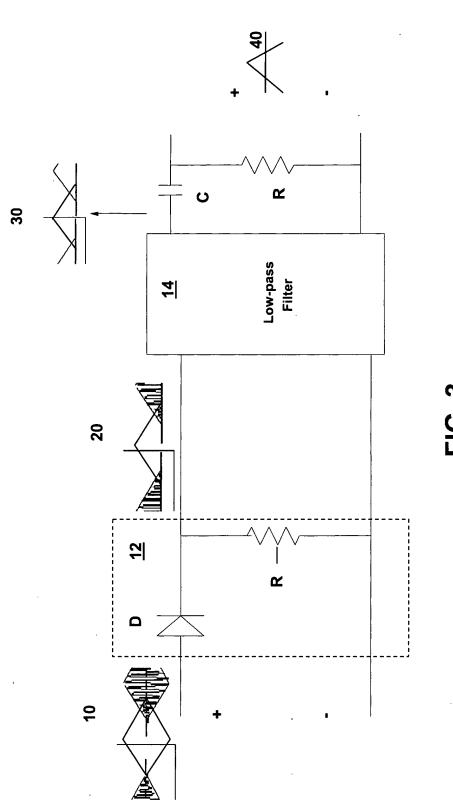
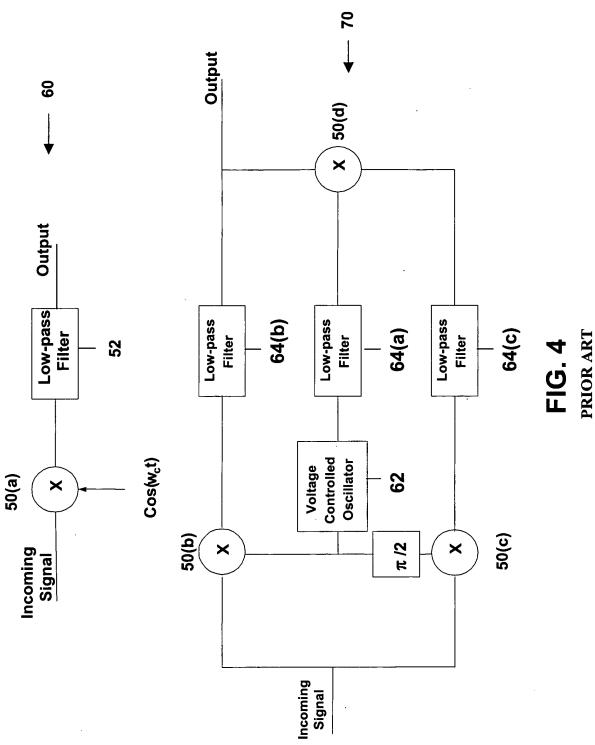


FIG. 3
PRIOR ART

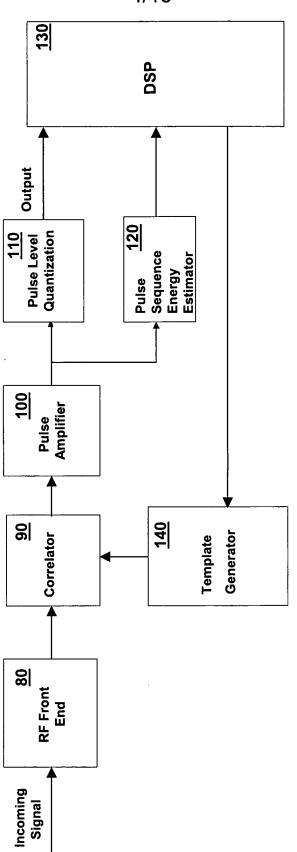
Title: ULTRA-WIDEBAND CORRELATING RECEIVER Filed: 11/21/03 Exp. Mail No. EV292299646US Inventor: KRIVOKAPIC Docket No.: 30287-112 Contact: Peter R. Martinez; 858-720-6300 FIG. 4 Sheet 3 of 15

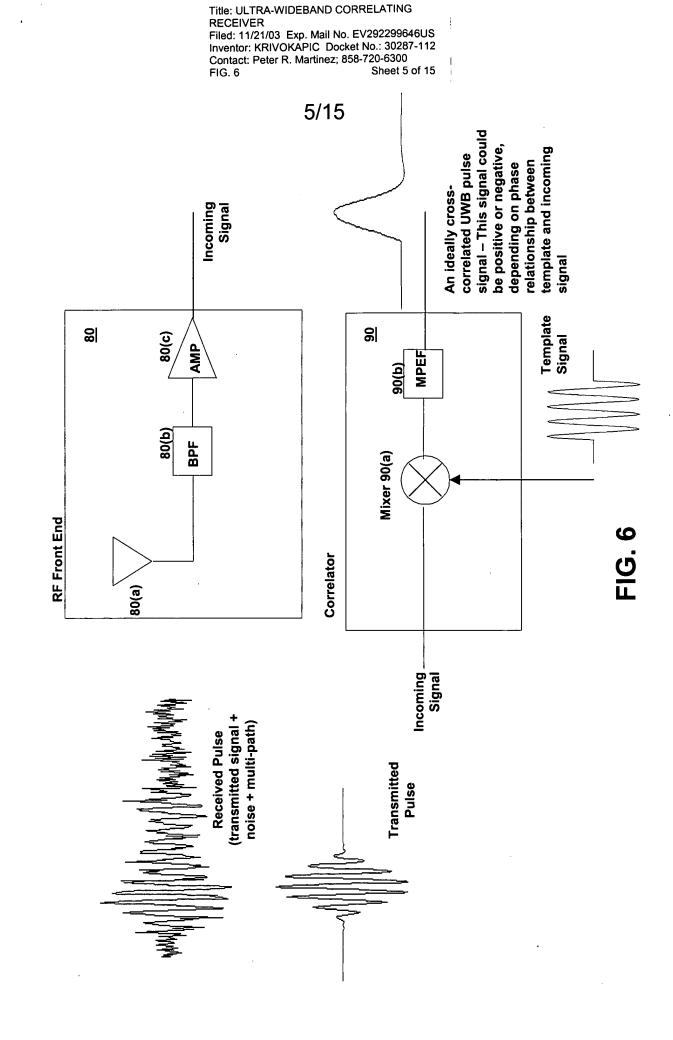




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FIG. 5 Sheet 4 of 15

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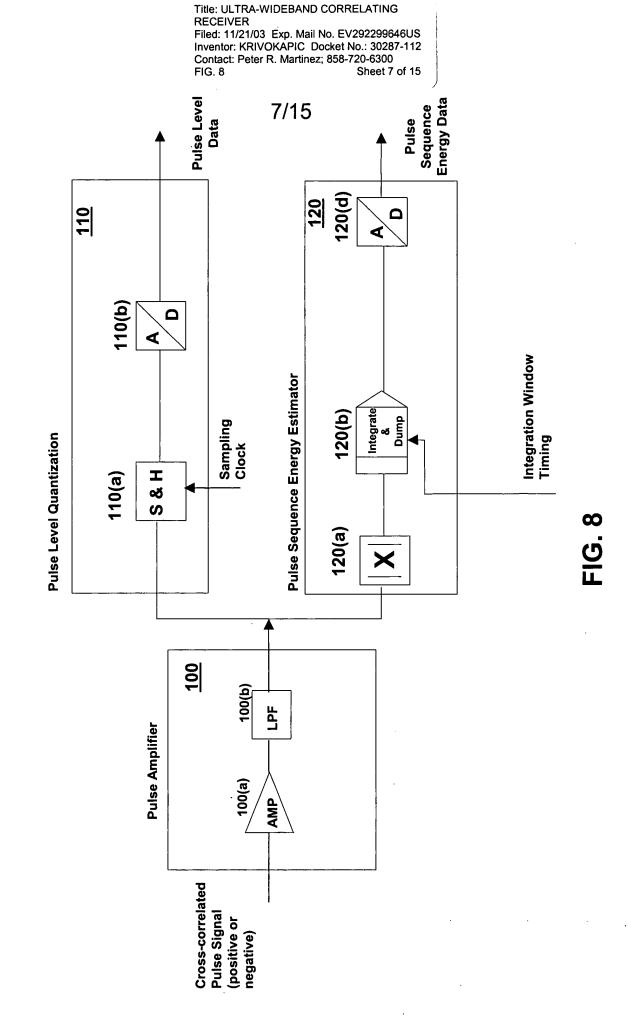


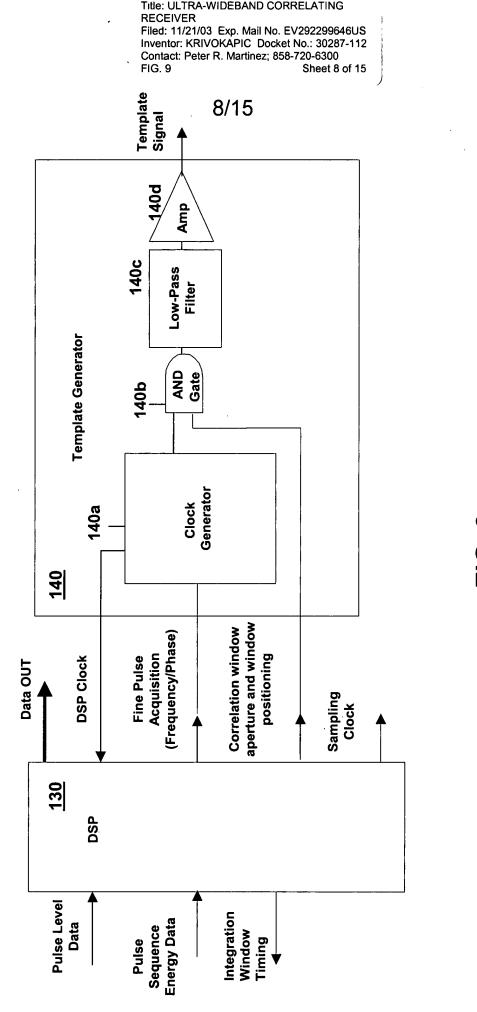


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Filed: 11/21/03 Exp. Mail No. EV292299646US Inventor: KRIVOKAPIC Docket No.: 30287-112 Contact: Peter R. Martinez; 858-720-6300 FIG. 7 Sheet 6 of 15 6/15 CONSTRUCTED ACCORDING TO ONE EMBODIMENT OF THE PRESET INVENTION C. ULTRA-WIDEBAND PULSE TEMPLATE CORRELATION RECEIVER A. SQUARE LAW DETECTOR RECEIVER B. DIRECT CONVERSION RECEIVER

PERFORMANCE OF DIFFERENT RECEIVERS IN THE PRESENCE OF WHITE NOISE AND MULTIPATH REFLECTION

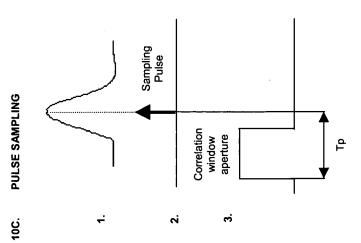
FIG. 7

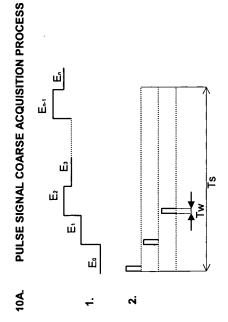




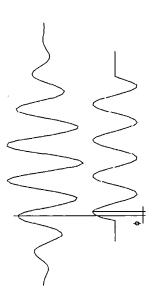
Title: ULTRA-WIDEBAND CORRELATING RECEIVER Filed: 11/21/03 Exp. Mail No. EV292299646US Inventor: KRIVOKAPIC Docket No.: 30287-112 Contact: Peter R. Martinez; 858-720-6300 FIG. 10 Sheet 9 of 15

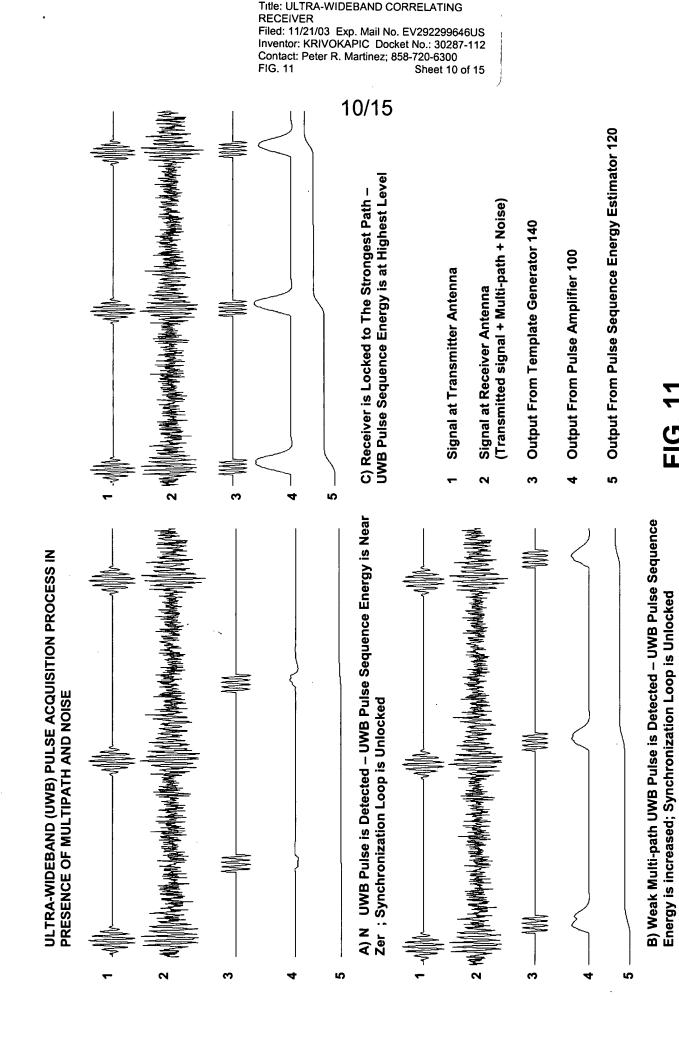
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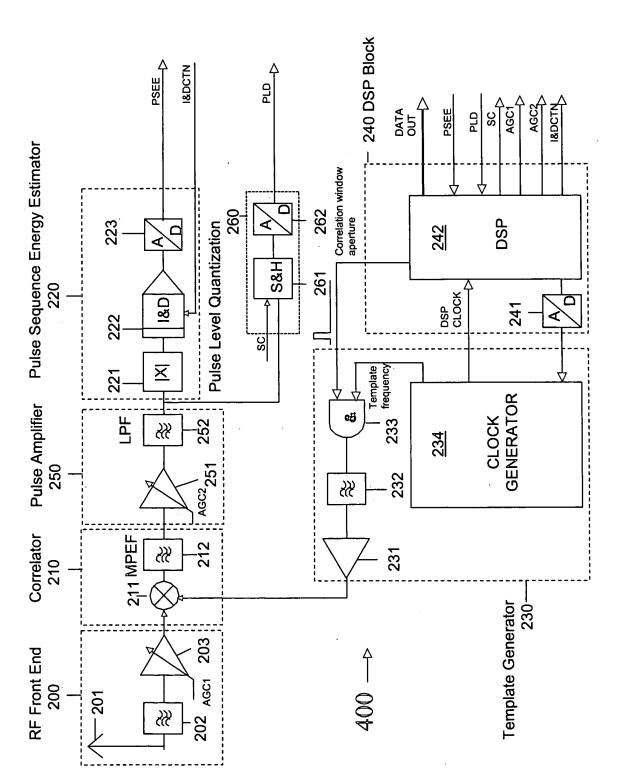






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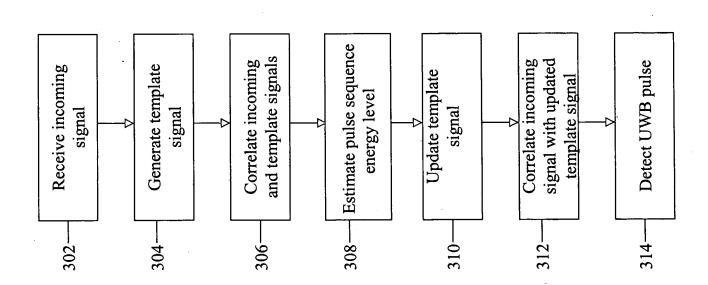
11/15



Title: ULTRA-WIDEBAND CORRELATING RECEIVER Filed: 11/21/03 Exp. Mail No. EV292299646US Inventor: KRIVOKAPIC Docket No.: 30287-112 Contact: Peter R. Martinez; 858-720-6300 FIG. 13 Sheet 12 of 15

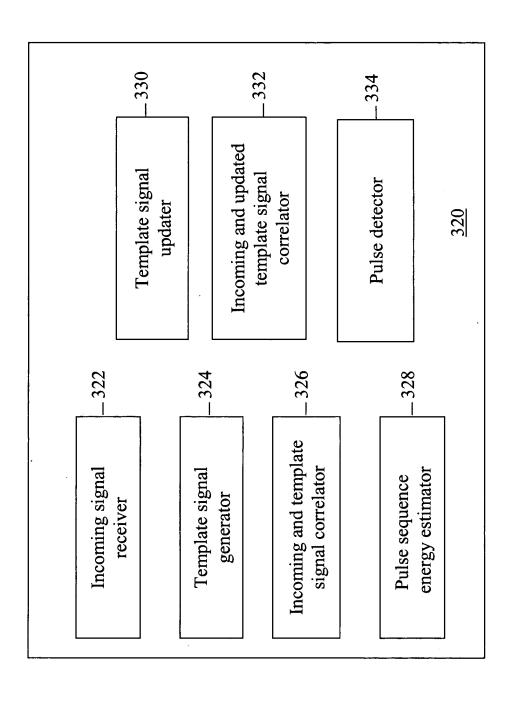
12/15





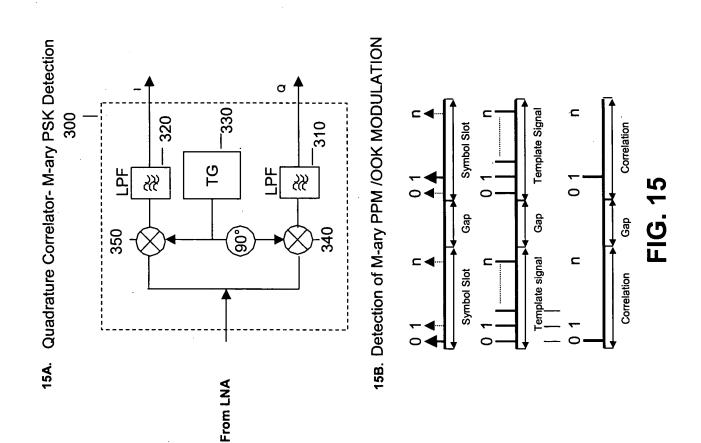
Title: ULTRA-WIDEBAND CORRELATING RECEIVER Filed: 11/21/03 Exp. Mail No. EV292299646US Inventor: KRIVOKAPIC Docket No.: 30287-112 Contact: Peter R. Martinez; 858-720-6300 FIG. 14 Sheet 13 of 15

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